AMENDMENTS TO THE CLAIMS

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- 1. (Currently amended) Medical apparatus adapted for location at least partly within a body passage, the apparatus having a guide member defining a leading end and an aperture in the guide member defining an area for access from the apparatus into the body passage, at least part of the area spaced from the leading end, and the apparatus being controllably movable between collapse and expansion positions, for expanding the body passage, wherein the apparatus incorporates an expansion device comprising an a pair of expansion arm arms adapted to extend across respective edge regions of the aperture and be moved between the collapse position and the expansion position by controllably elastically deforming said expansion arm arms to expand the body passage in the region of the aperture.
- 2. (Original) Apparatus as claimed in claim 1, wherein the apparatus is adapted to be moved between the collapse and expansion positions in incremental steps.
- 3. (Previously presented) Apparatus as claimed in claim 1, wherein the apparatus is controllably movable between fully collapsed and fully expanded positions, and is adapted to be moved to a position between the fully collapsed and fully expanded positions.
- 4. (Previously presented) Apparatus as claimed in claim 1, wherein the apparatus is for use in transanal endoscopic microsurgery.
- 5. (Previously presented) Apparatus as claimed in claim 1, wherein the collapse position of the apparatus is a rest position and the expansion position is a stressed position, and

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wherein the apparatus is adapted to move to the collapse position in the absence of an applied expansion force.

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- 6. (Previously presented) Apparatus as claimed in claim 1, wherein the collapse position of the apparatus is a stressed position and the expansion position is a further stressed position, and wherein the apparatus is adapted to move to the stressed position in the absence of an applied expansion force.
- 7. (Previously presented) Apparatus as claimed in claim 1, wherein the collapse position of the apparatus is a stressed position and the expansion position is a rest position, and wherein the apparatus is adapted to move to the expansion position in the absence of an applied collapse force.
- 8. (Previously presented) Apparatus as claimed in claim 1, comprising an actuating device including an activating member adapted for moving the apparatus between the collapse and expansion positions.
- 9. (Original) Apparatus as claimed in claim 8, wherein the activating member is moveable relative to a remainder of the apparatus.
- 10. (Previously presented) Apparatus as claimed in claim 9, wherein the actuating device comprises a screw mechanism including a screw threaded member coupled to the activating member, rotation of the screw threaded member adapted to move the activating

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member relative to the remainder of the apparatus, thereby moving the apparatus between the

collapse and expansion positions.

11. (Previously presented) Apparatus as claimed in claim 9, wherein the actuating

device comprises a ratchet mechanism including a slider coupled to the activating member and a

locking member, movement of the slider relative to the locking member adapted to move the

activating member relative to the remainder of the apparatus, thereby moving the apparatus

between the collapse and expansion positions.

12. (Previously presented) Apparatus as claimed in claim 8, wherein the actuating

device comprises a motor for moving the activating member.

13. (Previously presented) Apparatus as claimed in claim 1, further comprising a

lock for locking the apparatus in a desired position.

14. (Previously presented) Apparatus as claimed in claim 1, wherein the access area

extends from the leading end and part way along a length of the apparatus.

15-17. (Cancelled)

18. (Currently amended) Apparatus as claimed in claim 45 1, wherein a distance

between the access area and a trailing end of the guide member is minimised, to facilitate

facilitates access through the opening.

19. (Previously presented) Apparatus as claimed in claim 15, wherein the access area

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is an elongate opening, of a greater dimension in a direction along a main axis of the guide

member than in a direction around a perimeter of the guide member.

20. (Previously presented) Apparatus as claimed in claim 15, wherein the access area

is an opening extending around at least half of a perimeter of the guide member.

21. (Previously presented) Apparatus as claimed in claim 1, including an inlet at a

trailing end thereof for access into the apparatus and to the access area.

22. (Previously presented) Apparatus as claimed in claim 15, wherein the expansion

arm is mounted on and extends longitudinally with respect to the guide member.

23. (Previously presented) Apparatus as claimed in claim 1, wherein the expansion

arm is adapted to adopt a curved shape when in an expansion position.

24. (Previously presented) Apparatus as claimed in claim 1, wherein the expansion

arm is of a shape memory alloy.

25. (Currently amended) Apparatus as claimed in claim 1, wherein the expansion

arm is adapted to be moved to the expansion position by heating the device above a transition

temperature of the a shape memory alloy.

26. (Previously presented) Apparatus as claimed in claim 8, wherein the expansion

device is movable to the expansion position in response to a force applied by the actuating

device.

27. (Previously presented) Apparatus as claimed in claim 1, wherein the expansion

device comprises at least one inflatable element, adapted to be inflated to move the apparatus to

the expansion position.

28. (Previously presented) Apparatus as claimed in claim 1, wherein the expansion

device comprises a plurality of inflatable elements, the elements axially spaced with respect to a

main axis of the apparatus.

29. (Previously presented) Apparatus as claimed in claim 27, wherein each expansion

arm is elastically deformable and is coupled to a respective inflatable element.

30. (Previously presented) Apparatus as claimed in claim 27, wherein each expansion

arm is coupled between at least two respective axially spaced inflatable elements.

31. (Previously presented) Apparatus as claimed in claim 15, comprising a flexible

cover extending between the expansion device and the guide member, for preventing any part of

the body passage from damage during movement of the expansion device between the collapse

and expansion positions.

32. (Previously presented) Apparatus as claimed in claim 1, wherein the expansion device provides a force-feedback to an operator during movement between the collapse and

expansion positions.

33. (Previously presented) Apparatus as claimed in claim 1, further comprising a

device for measuring an expansion force exerted on the body passage during movement of the

apparatus between the collapse and expansion positions.

34. (Currently amended) A method of providing access to a body passage, the

method comprising the steps of:

inserting a medical apparatus having a guide member with an aperture in the guide

member defining an access area at least partly into a body passage with the apparatus in a

collapse position;

controllably moving the apparatus from the collapse position to an expansion position by

controllably elastically deforming an a pair of expansion arm arms extending across respective

edge regions of the aperture, to expand the body passage in the region of the aperture; and

accessing the body passage through an the access area of the apparatus, at least part of the

access area being spaced from a leading end of the apparatus.

35. (Previously presented) A method as claimed in claim 34, further comprising the

step of exerting an expansion force on the medical apparatus following insertion into the body

passage, to move the apparatus to the expansion position.

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36. (Previously presented) A method as claimed in claim 34, further comprising the

steps of exerting a collapse force on the medical apparatus, to move the apparatus to the collapse

position and to restrain the apparatus in the collapse position for insertion into the body passage,

and subsequently releasing the collapse force, whereupon the apparatus moves to the expansion

position.

37. (Previously presented) A method as claimed in claim 34, further comprising the

steps of controllably moving the apparatus from the expansion position to the collapse position

and removing the apparatus from the body passage.

38. (Previously presented) A method as claimed in claim 37, further comprising the

steps of rotating the apparatus relative to the body passage, reinserting the apparatus into the

body passage and returning the apparatus to the expansion position.

39. (Previously presented) A method as claimed in claim 34, further comprising the

steps of returning the apparatus to the collapse position, rotating the apparatus within the body

passage, and then returning the apparatus to the expansion position.

40. (Previously presented) A method as claimed in claim 34, further comprising the

step of viewing the body passage through the access area.

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41. (Previously presented) A method as claimed in claim 34, further comprising the step of conducting a diagnostic procedure on the body passage.

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42. (New) Apparatus as claimed in claim 8, wherein the activating member is configured to move the expansion arms simultaneously.